TERRA

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NATURAL HISTORY MUSEUM OF
LOS ANGELES COUNTY

WILLIAM STOUT'S VISIONS OF GONDWANA

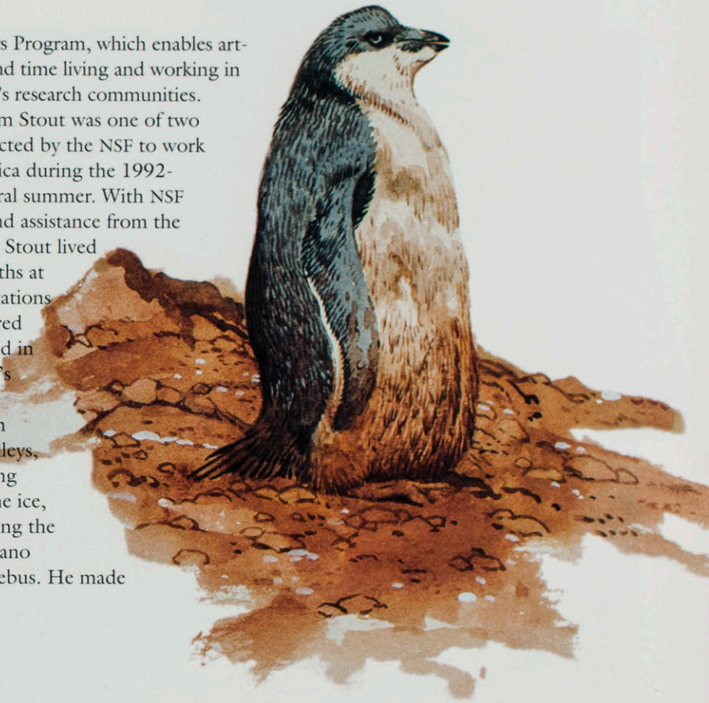
The Natural History Museum of Los Angeles County is pleased to present a second exhibition of the work of William Stout, a distinguished Pasadena wildlife artist. Like his earlier exhibition for the museum, which toured in North America after its 1991 opening in Los Angeles, the new show focuses on Antarctica, one of our planet's last great terrestrial frontiers.

Antarctica came to rest at the south end of the earth some 130 to 200 million years ago when the landmasses in the supercontinent of Gondwana drifted apart and moved into the global alignments that we are familiar with today. Fossil evidence shows that, during the Age of Dinosaurs and other periods of global warming, Antarctica enjoyed a moist temperate climate and supported a rich diversity of subtropical plant and animal life. But today, the continent is layered with and surrounded by ice that is 12,000 feet (3,500 meters) thick in places and rises more than 2 miles (3 kilometers) above sea level.

The "white continent" was not actually seen by people until the early nineteenth century, and it is only in recent decades that scientists from the U.S. and other countries have begun to engage in full-scale, long-range research aimed at knowing Antarctica and its relation to the rest of the planet.

Among the scientists in Antarctica, there have always been a few artists—painters, poets, writers, and photographers recording and reacting to its powerful vistas and its large and diverse communities of coastal and sea life. The U.S. commitment to encouraging artistic interpretation of Antarctica's landscapes and topography is formally expressed in the National Science Foundation's Antarctica Artists and Writers Program, which enables artists to spend time living and working in Antarctica's research communities.

William Stout was one of two artists selected by the NSF to work in Antarctica during the 1992-1993 austral summer. With NSF support and assistance from the U.S. Navy, Stout lived for 3 months at research stations and explored and worked in Antarctica's habitats, camping in the dry valleys, scuba diving beneath the ice, and climbing the active volcano Mount Erebus. He made



Opposite top

***Giant Petrel on Limpet Shell Nest*, by William Stout, 1993. Oil on masonite, 18 by 24 inches (46 by 61 cm). Collection of the artist.**

Left

***Elephant Seals*, by William Stout, 1993. Watercolor on paper, 9 by 12 inches (23 by 30 cm). Collection of the artist.**

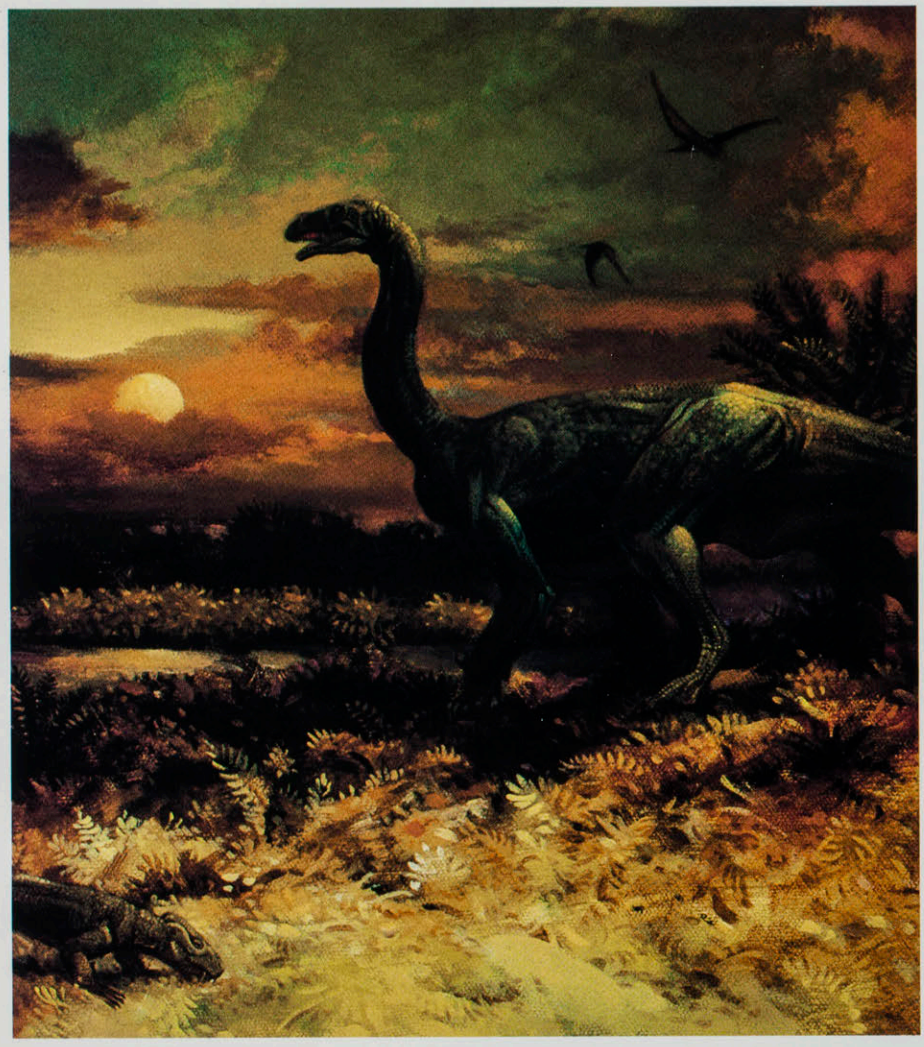
Above

***Adelie Chick, Humble Island*, by William Stout, 1993. Watercolor on paper, 12 by 9 inches (30 by 23 cm). Collection of the artist.**

Cover

***Upper Cretaceous Antarctica*, by William Stout, 1994. Oil on canvas, 48 by 24 inches (122 by 61 cm). Collection of the artist.**

Several oil paintings in the exhibition of William Stout's work are based on very recent paleontological discoveries of dinosaurs and other prehistoric animals in Antarctica.



Detail of *Prosauropod Sunset*, by William Stout, 1994. Oil on canvas, 14 by 18 inches (35 by 46 cm). Collection of the artist.

over 100 paintings and field sketches in that time.

This was Stout's second trip to Antarctica. His first voyage resulted in the museum's 1991 exhibition, which was entitled Dinosaurs, Penguins, and Whales: The Wildlife of Antarctica. The paintings in this collection highlighted the complex beauty of Antarctica and surveyed its past and present denizens; Stout dedicated the exhibition to the international effort to make Antarctica the first World Park.

The fifty paintings, watercolors, pastel studies, and pen sketches in Stout's new exhibition, Visions of Gondwana (September 2 through November 26 at the Museum of Natural History in Exposition Park) feature studies of a variety of seals and birds as well as fish and Antarctic invertebrates, including a species of giant octopus unknown to science. The works show that the coldest and most forbidding place on earth is populated with tenacious and surprisingly abundant life-forms.

RARE CALIFORNIA FEATHER BLANKET

In early November 1841, the first overland emigrant party of Americans trudged into California after a long and arduous journey. The group included John Bidwell and Joseph B. Chiles, later to become prominent Californians, as well as Nicholas "Cheyenne" Dawson, an obscure young man of 22 who had run away from his Pennsylvania home a few years earlier to see the world. Dawson tried several enterprises in California, including running a store in Santa Cruz and hunting sea otter on the Channel Islands, before returning to the eastern United States and eventually settling in Texas.

One of Dawson's descendants in Texas, Mary Jane Ramsey, has now brought his West Coast adventure to prominence by presenting a rare Indian feather blanket that he acquired while in California to the Natural History Museum of Los Angeles County. Only thirteen of these blankets—six in the United States, and seven in Europe—were known before Mrs. Ramsey's generous gift. The Dawson blanket is the first in the collections of a California museum.

Dawson wrote about his travels for his family in 1894, "fifty-three years after the occurrences of the principal events narrated . . . , mostly from memory, but with an anxiety to say only the truth." While describing his return from California to the East, he casually mentions that he slept in a ship's hold "on my feather blanket [which] had been my bed since I purchased it . . . in '42 . . . in the old mission of Santa Cruz, from a trapper, for two or three dollars in whisky." Thus Dawson, like the collectors of the other thirteen blankets, did not obtain the object directly from a native owner and seemed not to know which California Indian group had created it.

Early in the twentieth century, duck and goose feather blankets were recalled by knowledgeable California Indian

people in several groups, most living in the Sacramento-San Juaquin Delta region in the great Pacific Flyway, once the winter quarters for vast numbers of migratory ducks and geese. Here in the winter of 1841 a Boston ship captain, William Phelps, "found Ducks & Geese by the acre. The plains were alive with them and upon firing at them, . . . they would rise in immense bodies with a clang that could be heard at a long distance."

Analyses of five of the feather blankets have shown that their makers were highly selective, choosing only certain feathers from three species: beige downy breast feathers of the Canada goose, contour feathers of the snow goose, and—from the mallard—the dark iridescent speculum feathers, of which there are a scant eight per wing. Hundreds of birds were thus required to produce a single blanket.

The Dawson blanket's feathers have not yet been identified. Although its color pattern is unlike that of any of the thirteen other blankets, its construction is identical. In all of the textiles, a horizontal warp of feathered cords is twined together every inch or two by unfeathered weft cords, producing a thick soft downy fabric that was warm, yet incredibly light and delicate.

The Dawson blanket shows much wear, some from at least 2 years of use by Dawson but most from use by an Indian owner who grasped two corners to hold it draped over her shoulders. Its patterns of heavy wear match those on the two other feather blankets that show wear. It no doubt was already badly frayed when Dawson acquired it, and it may have been obtained by the trapper after the original owner had discarded it as worn out.

I hope that other examples of this splendid textile art still survive and will eventually come to light, possibly even in California. All Californians are in debt to Nicholas Dawson for preserving his blanket for so many years and to Mrs. Ramsey for so generously sharing it.

SALLY MCLENDON
Professor of Anthropology
and Linguistics
Hunter College and Graduate School
City University of New York

Professor McLendon has been studying California Indian languages and cultures for 30 years—and California feather blankets for the last 15 years; she was a consultant on the Natural History Museum's Native American Hall construction.

The Natural History Museum is grateful to the Jourdan-Bachman Pioneer Farm of Austin, Texas, and its curator, Eve Williams, for recommending the museum's Anthropology collections as an appropriate home for the Dawson blanket.

Feather blanket collected by William Alden Gale of Boston, Massachusetts, prior to 1821. Peabody Museum, Cambridge, No. 84680. Photograph by Sally McLendon.

Dr. McLendon *(right)* and Dr. Margaret Ann Hardin, the Natural History Museum's Curator of Anthropology, with the Nicholas Dawson feather blanket. Natural History Museum of Los Angeles County, F.A.3349.94-1. Photograph by Dan Watson.

The blanket has a large hole in the center of its bottom edge as if it had been "sat out."

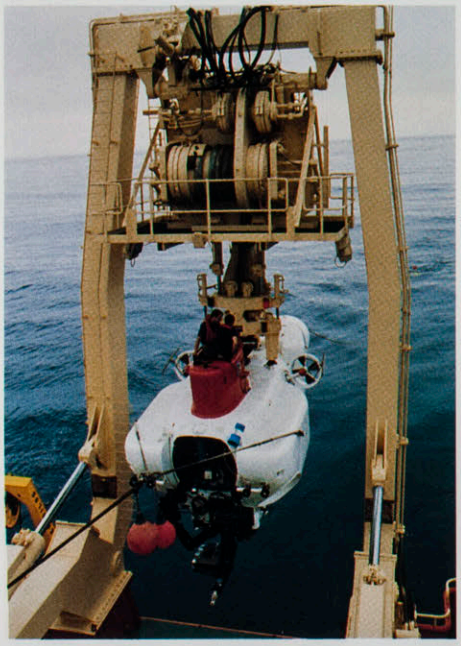
Detail of a feather blanket collected by Captain William Phelps of the *Alert* in 1841-1842, possibly while he was visiting Captain John Sutter. Peabody Museum, Cambridge, No. 98240. Photograph by Sally McLendon.

UNDERWATER EXPEDITION TO STUDY BRITTLE STARS

OURS IS NOT just an "ocean planet," it is really a deepsea planet, the marine waters covering 70 percent of earth having an average depth of 13,000 feet (4,000 meters). Among the most conspicuous and abundant creatures of the deep are echinoderms, including sea stars and brittle stars. Although some of their shallow-water relatives are renowned for ecological impact, the inaccessible deepwater stars have remained an enigma.

Since I moved to Los Angeles 10 years ago, it has been my ambition to study these perplexing deepsea animals at first hand. I was particularly interested in brittle stars, long a focus of my research. If I could only find out how they move and feed in the abyss, I would have the clues needed to understand their ecology and evolution. With firsthand information on their behavior, I could interpret the activities recorded in countless still photographs from deepsea surveys.

In May 1995, I led a deepsea expedition off San Diego to investigate the behavior and body structure of a large species of brittle star found in enormous numbers in the deepest regions of three of the world's oceans. I was accompanied on the trip by Cathy Groves, Curatorial Assistant for Echinoderms; Dr. Daniel Cohen, now retired but then the museum's Deputy Director for Research and Collections; and five very energetic university graduate students.



The Deep Submergence Unit (DSU) of the U.S. Navy enabled members of our team to travel into ocean depths exceeding 4,000 feet (1,200 meters) in a submersible vessel called the *Turtle*. From the *Turtle's* viewports, we could observe deepsea animals in their natural habitat, collect and manipulate specimens using the sub's mechanical arms, and record the scene on the ocean floor with underwater video and still cameras. Between dives, we continued to explore the same areas employing the Navy's Advanced Tethered Vehicle, an unmanned craft with capabilities similar to those of the sub.

The trip was incredibly productive: the DSU crew and our scientific party worked around the clock for 7 days, performing underwater experiments, making hundreds of photographs and videotapes, and amassing large collections of specimens for laboratory analysis.

Brittle stars proved to be remarkably numerous, literally carpeting the floor of a vast deepsea canyon. To our amazement, the animals were extremely active carnivores, quickly pouncing on packets of food offered to them in experiments. Though voracious, they gravitated toward particular entrees on the smorgasbord menu, showing a decided taste for salmon heads and freshly crushed snails. This behavior was unexpected in a supposedly indiscriminate scavenger; some of the brittle stars' other responses to our experimental treatments were also surprising. Our initial impressions will be supplemented by details as the task of analyzing data and recorded observations proceeds in the coming months.

Our field work was conducted under a research grant that I received from the National Undersea Research Program of NOAA (National Oceanographic and Atmospheric Administration). The grant included ship time, the use of the submersibles, and the assistance of their crews, and these extremely expensive services were generously provided by the Navy and NOAA. I hope that we will receive their support and cooperation again. It looks as though we will be able to answer our initial questions, but a bumper crop of new queries have arisen in their place.

DR. GORDON HENDLER
Curator of Invertebrate Zoology

TOP

Close-up of a living *Ophiomusium lymani*, the subject of this study; its central disk is the size of a quarter, and its slender arms of a length ten times the disk diameter. Evident in this view are the five triangular jaws directed toward the central mouth, the ten sinuous respiratory slits, and the bases of the slender arms, which are composed of tiny symmetrically arranged bony elements. Details of these structures will be studied at the museum using light and electron microscopy to interpret the relationship between the star's anatomy and its behavior. Photograph by Gordon Hendler.

LEFT

Deep Submergence Vehicle *Turtle* during launching, suspended from the A-frame of its surface support vessel, the Marine Vessel *Laney Chouest*. The *Turtle*, a 26-foot long, 24-ton, three-person submersible, operates to 10,000 feet (more than 3,000 meters) at pressures exceeding 2 tons per square inch. Photograph by Dick Meier.

MUSEUM ON THE MOVE

T.E.C.H. DAY AT THE TRACK

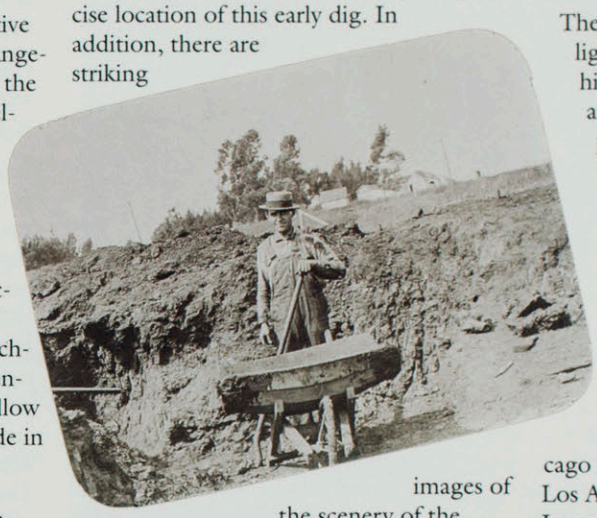
On October 27, the Petersen Automotive Museum, in association with the Los Angeles County Probation Department and the Los Angeles County Community Development Commission, will bring a group of southern California children ranging from 10 to 13 years of age to the Pomona Fairgrounds for the Winston Select Finals, the last of nineteen National Hot Rod Association drag racing events for 1995. The trip is part of the Petersen Museum's T.E.C.H. ("Teaching Empowerment through Comprehensive History") Project, established to allow children of all backgrounds to take pride in automotive history.

The 50 children chosen to take the T.E.C.H. trip are residents of Los Angeles housing projects or clients of the county's Probation Department, and all will benefit from an educational and fun-filled day at the races. In addition to watching exciting qualifying rounds and having a lesson in automotive history, they will meet racing professionals and learn about careers in the automotive and racing industries. They will also receive breakfast and lunch, entry to the races, and a t-shirt.

Sponsoring organizations include the National Hot Rod Association, Memory Lane of Sun Valley, Platt Security, Laidlaw Charter Company, and the Soup Exchange. Contributions in support of future T.E.C.H. events are needed; for further information, please call the Petersen Automotive Museum's Education Office at 213/964-6347.

PRINCETON PHOTOGRAPHIC DONATION

The Department of Geological and Geophysical Sciences at Princeton University recently donated a collection of early photographic images of Rancho La Brea to the George C. Page Museum of La Brea Discoveries. The gift of sixteen glass lantern slides taken at La Brea between 1907 and 1910 includes some of the earliest images housed in the Page Museum Archives. Among the photographs are several views of the 1907 excavation conducted by the Southern California Academy of Sciences that should help to further clarify the precise location of this early dig. In addition, there are striking



images of the scenery of the rancho prior to development and of the unique geologic features of the site.

Workman digging at Rancho La Brea for the University of California, Berkeley, circa 1910; the Hancock rancho house is visible in the background. From a collection of lantern slides given to the museum by Princeton University; Natural History Museum of Los Angeles County, Page Museum of La Brea Discoveries, RLB 3056c.

NEW ASSISTANT DIRECTOR OF DEVELOPMENT

Geraldine Kennedy has joined the staff of the Development Office as Assistant Director, with responsibility for major grants. A graduate of the Pennsylvania State University with majors in English and political science, she has received an M.A. in urban planning from the University of California, Los Angeles. Kennedy, who served in the Peace Corps in Liberia, is editor of the best-selling anthology, *From the Center of the Earth: Stories Out of the Peace Corps* (1991) and author of the award-winning travel/adventure memoir, *Harmattan: A Journey Across the Sahara* (1994); both books were published by Clover Park Press. Prior to joining the museum staff, she was Principal Planning Analyst at UCLA.

SHONA EVENT BENEFITS MUSEUM

The Natural History Museum is delighted to report that the late spring exhibit and sale of Shona sculpture generated more than $200,000 for museum programs. More than 1,300 pieces of the stunning stone sculpture were sold during the 3-week event, with the proceeds benefitting the educational and public programming of the museum.

The museum received gifts in support of the Shona exhibit and sale from American Airlines, Anheuser-Busch Companies, Cheese Store of Beverly Hills, Chicago Title Company, The Crowne Plaza Los Angeles Downtown Hotel, Frank Jansen, Robert Lane, Mr. and Mrs. Kenneth Leventhal, Patty Lombard and Bill Simon, Nuts to You, Paris Pastry, Peacock Cheese, Shell Oil Company, Smart and Final Iris, Transformation Marketing, Mrs. and Mrs. Arnold Travis, and Wines of the World.

Joan Travis and Elaine Leventhal were instrumental in bringing the Shona project to the museum; thanks also go to the Alliance Board's Shona Committee and to the volunteers and staff members who contributed to the success of the event.

BUSINESS ASSOCIATES

BUSINESS ASSOCIATES WELCOME NEW MEMBERS

A number of firms recently joined the ranks of the Natural History Museum's Business Associates, a group of community spirited corporations that make annual unrestricted gifts of $2,000 or more in support of the museum's exhibitions and educational programs. The new members are:

AMGEN, Inc.
CineAmerica
General Motors Corp.
Penske Automotive Group, Inc.
Roscoe/Cottrell, Inc.
Sony Pictures Entertainment
Western Exterminator Company

Under the leadership of Gary Jacobs, a member of the Board of Trustees who is

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MUSEUM TRAVEL PROGRAM

Photographs: Peru. Karen Hovanitz

YUCATAN

January 6 to 20, 1996

Maya archaeologist Dr. Richard D. Hansen will lead museum travelers on a fascinating journey through Mexico's beautiful Yucatan peninsula on this enlightening study tour. Each site on the tour has been carefully chosen to reveal a different facet of the history, religion and art of the ancient Maya and Olmec civilizations. You will explore Dzibilchaltun, Uxmal, Chichen Itza, Coba, and Palenque, among other sites.

■ $3,290 plus airfare

EGYPT

February 23 to March 9, 1996

Dr. Kent Weeks, discoverer of the Ramses II Tomb, will lead this tour of ancient and modern Egypt, including an exclusive charter cruise on the Nile. Our itinerary includes all the most famous sites, the pyramids at Giza, the Egyptian Museum in Cairo, Memphis, Karnak, the Valley of the Kings, and the temples near Aswan and Abu Simbel, as well as recently opened tombs not accessible to the general public.

■ $5,000 including airfare from Los Angeles

COPPER CANYON AND SEA OF CORTEZ

April 8 to 15, 1996

Sail among a thousand dolphins, snorkel with sea lions, explore uninhabited desert islands, and take a breathtaking ride to the rim of one of the world's greatest canyons, all in one week, aboard the 70-passenger Sea Lion and the "Chihuahua al Pacifico" Railroad. Explore the charming colonial town of El Fuerte, hike along the rim of Copper Canyon, and visit with the Tarahumara Indians who make their home there.

■ From $1,890 including airfare from Tucson

COSTA RICA

April 30 to May 11, 1996

Discover Costa Rica's natural riches, from majestic Arenal Volcano to the lush coastal forests of Manuel Antonio and Corcovado National Parks. Explore rainforests, cloud-forests, islands and enticing beaches on this land and sea voyage aboard the 60-passenger *Temptress Explorer*. See for yourself why Costa Rica is known as "the wildlife sanctuary of the Americas."

■ $2,995 including airfare from Miami

PERU

May 4 to 19, 1996

Dr. Karen Wise, Assistant Curator of Anthropology at the Natural History Museum, will give travelers an insider's in-depth view of Peru, from the lush rainforests of the Tambopata Reserve in the Amazon basin, to the towering Andean peaks surrounding Cuzco and the sacred Urubamba Valley. Our expedition will highlight the most important sites of Peru's rich archaeological heritage, including an overnight stay at Machu Picchu and visits to the north coast sites of Sipan and Tucume.

■ $3,690 plus airfare

FOR MORE INFORMATION

please contact Karen Hovanitz
Museum Travel Program (213) 744-3350.

EXHIBITIONS AND SPECIAL EVENTS

■ MASTERS OF THE OCEAN REALM

Whales, Dolphins, and Porpoises

October 21, 1995, through January 14, 1996, Dart Gallery, Museum of Natural History, Exposition Park

Among the cetaceans are the largest animal that ever lived (the blue whale, which can reach a weight of 180 tons or 160,000 kilograms) one of the most formidable hunters of modern times (the orca, or killer whale), and some of the most intelligent animals in the world. The biology and natural history of the whales, dolphins, and porpoises are explored in the Natural History Museum's traveling exhibit, as are relationships between people and cetaceans. The interactive display modules emphasize the evolution of unique anatomical features and behavior that allow these mammals, which are found in all the oceans and many of the seas and rivers of the world, to thrive in their aquatic homes.

■ LOST AND FOUND TRADITIONS

Native American Art, 1965-1985

Extended indefinitely, Burbank Museum

The Lost and Found Traditions collection of contemporary Native American art demonstrates the vitality of artistic traditions in nearly every major Native American cultural group. The Natural History Museum of Los Angeles County, which was chosen as the permanent home for the collection in 1992, is proud to present an exhibition of more than 100 of these splendid and diverse artworks. The examples of woodwork, beadwork, basketry, and weaving show the artistic continuity that exists between past traditions and present interpretations.

■ MOTHS

Photographs by Kirby Wolfe

July 29, 1995, to January 7, 1996, Ground Floor Hall Galleries, Museum of Natural History, Exposition Park

Forget about moths as dingy, unattractive insects. In a series of stunning, full-color photographs of silk moth adults and caterpillars, entomologist and museum

Research Associate Kirby Wolfe highlights some of the most spectacularly beautiful and grotesque of the night-flying creatures. Wolfe not only provides photographs of a variety of species but also indicates which fat, spiny, green caterpillar produces which elegant, pastel-shaded moth.

■ TREASURES OF THE TAR PITS

Through October 1, Foyer, Museum of Natural History, Exposition Park

Rancho La Brea is one of the world's most famous fossil sites. From tar pits formerly mined for natural asphalt, an incredibly rich trove of fossils up to 40,000 years in age has been recovered. Here huge mammoths, fierce saber-toothed cats, packs of dire wolves, and hosts of birds became trapped and entombed with many other smaller creatures and a variety of plants. This exhibition of fossils excavated from the site presents the most recent findings on what has been called the "death trap of the ages."

■ WILLIAM STOUT'S VISIONS OF GONDWANA

Past and Present Life in Antarctica

September 2 through November 26, Director's Gallery, Museum of Natural History, Exposition Park

Field studies of life in the "Deep South" are the focus of this exhibition, the Natural History Museum's second show devoted to the art of William Stout. The watercolors, oil paintings, pastel studies, and pen sketches are the result of Stout's 3-month stay in Antarctica in 1992-1993 as recipient of a grant from the National Science Foundation's Antarctic Artists and Writers Program. Stout's renderings reveal the special beauty of Antarctica and focus attention on its unusual natural history and its sensitive ecology.

■ SCENIC VIEW AHEAD

Westways Cover Art from the Automobile Club of Southern California

Through October 15, Rotunda, Museum of Natural History, Exposition Park.

Since the 1920s, the editors of the members' magazine of the Automobile Club of Southern California have supported local artists by featuring their work as cover art and editorial illustration. As a result of this patronage, the Auto Club has a collection of more than 400 original works by painters prominent in the local and international commercial and fine arts fields. This exhibition features 40 originals of cover art from this important collection, including southern California scenes by Phil Dike, Maurice Logan, Merv Corning, and Jake Lee. Together, the works give an overview of the history of art and illustration in the twentieth century as well as a vibrant and diverse sample of familiar—and not so familiar—cityscapes and landscapes of the West.

Two works created for the cover of *Westways*. *Top right: Kingsley Drive*, by Merv Corning, 1974; watercolor on board, 14 x 10.25 inches (36 by 26 cm). *Above: Boats at Fisherman's Wharf*, by Maurice Logan, 1959; watercolor and gouche on paper, 17.5 x 12.5 inches (44 by 31 cm). From the exhibition Scenic View Ahead, at the Exposition Park museum through October 15.

AT THE PETERSEN AUTOMOTIVE MUSEUM

On the Move: Car Art by Kids From Around the World, through June 1996. This exhibition of works by children ages 4 to 14 is on loan from the International Child Art Collection, a program of the Friends of the Junior Arts Center of Barnsdall Art Park. The gallery space includes an activity area where—during weekends—young visitors can create their own car art with the assistance of Pit Crew volunteers.

Vehicles of Expression: Photographs by Kathleen Estrada, through mid-January 1996. This collection of black and white and color photographs of people with their cars explores the car as a reflection of personal style.

Scott Williamson, Photographer, through October 8. Williamson's work, which focuses on the form and design of hot rods, classics, and race cars, celebrates the automobile as a work of art.

PROGRAMS FOR MEMBERS AND VISITORS

LECTURES AND SPECIAL EVENTS

HART OF THE WEST
September Celebration

The William S. Hart Park and Museum in Newhall present two weekends of Western fun. For information on the following events, please call 805/259-0855 or 805/254-4584.

■ **Friday, September 8, 7 to 9 p.m. Artists' preview sale and reception.** Enjoy an exhibition of the art and sculpture of well-known contemporary Western artists in the historical setting of the William S. Hart home. Wine and cheese will be served. Advance reservations are a must! $10 per person, $15 per couple.

■ **Friday, September 8, 8 to 10 p.m. Moonlight trail ride.** Enjoy a barbeque dinner and a ride the trails of the Horseshoe Ranch on your own horse ($45 per person) or a rented mount ($65 per person).

■ **Saturday, September 9, 7 to 9 a.m. Morning trail ride.** Greet the day on the trail! Congressman Buck McKeon has been invited to join us for this early morning ride and breakfast. Bring your own horse ($45 per person) or rent a mount ($65 per person).

■ **Sunday, September 10, noon to 4 p.m. Cliffie Stone's Western Jamboree.** Free musical program with the country legend.

■ **Saturday and Sunday, September 9 and 10, 10 a.m. to 4 p.m. Western Art Show and Sale and Cavalry Encampment.** Join us for this free program saluting military life at the turn of the century; the day's events include displays of antique weapons and campaign regalia, a reconstruction of an 1880s field camp, and reinactments of scenes from early twentieth-century military life.

■ **Saturday and Sunday, September 16 and 17, 9 a.m. to 5 p.m. 2nd Annual Powwow at Hart Park.** This free family event features a re-creation of an Indian village, a table of touchable artifacts, a Native American dance contest and a tomahawk throw, a crafts show and sale, and historical entertainment by the Mountain Men, honorary tribal members who reinact scenes from the lives of early eighteenth-century fur traders and trappers. Plan to purchase your lunch or snacks from the several food booths offering Native American cuisine.

Educator's Preview
PETERSEN AUTOMOTIVE MUSEUM

Thursday, September 28, 7 to 9 p.m., Connor Pavilion, Petersen Museum

The Petersen Automotive Museum presents a free program for classroom teachers and other educators, featuring prominent California architect and author **Alan Hess**. After an introduction to the educational activities, tours, and programs of the Petersen, preview participants will accompany Hess on a special "architect's tour" of the museum. The evening provides first-hand knowledge of Petersen exhibits as well as ideas about how to incorporate the museum's resources into the classroom curriculum. Refreshments will be served, and reservations will be taken for school field trips. Participants will also receive copies of the Petersen Automotive Museum Educator's Resource Kit. Reservations are required; to register or obtain further information, please call 213/964-6347.

The Petersen Museum's replica of the Dog Cafe, which stood on West Washington Boulevard in Los Angeles from the late 1920s until around 1970. Photograph by Larry Reynolds.

ADULT CLASSES & WORKSHOPS

Attention Automobile Enthusiasts!

■ MISS INFORMATION SERIES

Tuesdays, September 19 and October 17, 7 p.m., Classroom, Petersen Automotive Museum

On the third Tuesday of each month, the Petersen Museum hosts a program designed to bring automobile enthusiasts together in an informal but informative atmosphere. Cosponsored by *Miss Information,* a calendar of automotive events, each meeting features a seminar by an expert in mechanics or automotive care. Reservations are not required; please call 213/964-6356 for information. $15 per person, including parking and museum admission.

■ BIOLOGICAL ILLUSTRATION

Tuesday evenings, September 5 to November 28, 6 to 9 p.m., Museum of Natural History, Exposition Park

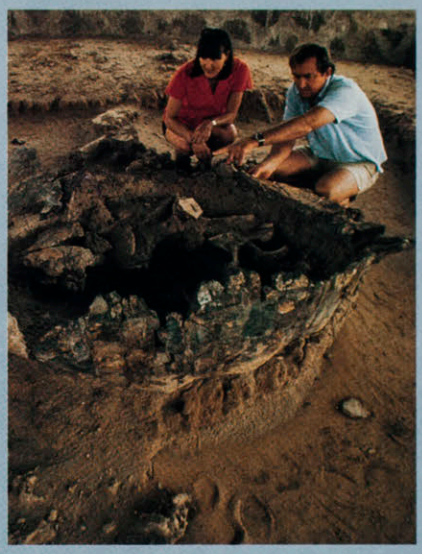
Learn to create beautifully detailed and scientifically accurate images of animals and plants. Participants become familiar with uses of pencil, watercolor, and pen and ink, and have chances to practice stippling, line drawing, and shading to create biological illustrations of natural specimens. Instructor **Frances Runyan** has taught at the museum for over 12 years; her illustrations have appeared in books and scientific journals, and her original artwork is owned by the Huntington Library and Carnegie Institute as well as the Natural History Museum. All experience levels welcome. $90 members, $100 nonmembers.

ANCESTRAL PASSIONS

An Illustrated Lecture

Saturday, October 21, 2 to 4 p.m., Jean Delacour Auditorium, Museum of Natural History, Exposition Park

Science writer **Virginia Morell** presents an intimate portrait of the Leakeys, "the first family of paleoanthropology," based on her new book, *Ancestral Passions: The Leakey Family and the Quest for Humankind's Beginnings* (Simon and Schuster, August 1995). Morell's is the first full biography of Louis and Mary and their son Richard—forceful and gifted figures whose numerous fossil finds have pushed back human ancestry and articulated our relationship to early hominids. Drawing on her first-hand experiences working with the Leakeys and on the family's personal letters and photographs, Morell explores the natures of the three scientists, exposing their rivalries with one another and with other researchers and delineating their individual contributions to paleontology. Books may be purchased at the museum, and a book-signing will follow the lecture. $8 members, $10 nonmembers.



Richard Leakey shows Virginia Morell a fossilized giant tortoise near his Koobi Fora camp in East Africa. Photograph courtesy Virginia Morell.

■ PRESERVING THE PAST

Fundamentals of Fossil Preparation

Saturdays, October 28 and November 4 and 11, 10 a.m. to 3 p.m., Museum of Natural History, Exposition Park

Spend three exciting Saturday afternoons learning the basics of paleontology through hands-on experience. We'll work with actual fossil specimens from the museum's vast collections and will have the opportunity to experiment with a variety of tools and techniques used by paleontologists in the field and laboratory. The workshop includes an expedition to a local field site to learn excavating and collecting methods. Our instructor is vertebrate paleontologist **Michael Stokes,** chief preparator for the Natural History Museum. $95 members, $105 nonmembers.

■ THE SCARAB BEETLES

Denizens of Dung, Dunes, and Detritus

Saturday, September 23, 10 a.m. to 1 p.m., Times Mirror Conference Room, Museum of Natural History, Exposition Park

Revered as gods, coveted by collectors, despised as crop pests, and valued as sanitation engineers, scarab beetles have exerted their influence on our culture for thousands of years. In this program, you'll discover the scarabs' fascinating habits, exotic shapes, and gemlike colors as you examine slides, specimens from the museum's extensive collection, and live scarabs from the Insect Zoo. Your instructor, **Dr. Art Evans**, Insect Zoo Director, will describe his 20 years of experience studying scarabs—traveling from the windswept California Channel Islands to the blistering sands of the Kalahari to observe their behavior and search for new species. $15 members, $20 nonmembers.

■ KITCHEN HERBS

Sunday, September 17, 1 to 5 p.m., Times Mirror Conference Room, Museum of Natural History, Exposition Park

Discover medicinal, edible, and decorative uses of kitchen herbs as you learn to wrap and tie your own herbal bundles crafted from fresh, all-natural materials. You will also make (and enjoy eating!) recipes with common herbs and discover how easy it is to start your own herb gatherer's garden. Lifetime gardener and landscape designer **Terre Ashmore** is your instructor. $50 members, $60 nonmembers.

■ GOURD BASKETRY

Saturday, October 7, 10 a.m. to 5 p.m., George G. Page Museum

Embellished gourds, or *calabashes,* have been used around the world for centuries as ritual objects, storage vessels, musical instruments, and serving dishes for food and drink. In this workshop led by master basket maker **Judy Mulford,** participants experiment with dying, painting, and burning patterns into the surface of a native California gourd. The finished gourds make stunning decorative containers. Students of all experience levels welcome; $50 members, $60 nonmembers.

FIELD TRIPS

■ EXOTIC FELINE BREEDING COMPOUND

A Twilight Tour

Saturday, September 23, 5:30 to 8:30 p.m.

Dedicated to the preservation of endangered species, the Exotic Feline Breeding Compound houses an average of 50 large cats, including a North Chinese Leopard and a Siberian Tiger. **Dr. Fritz Hertel,** a mammalogist with the Department of Biology at UCLA, leads our tour. This unique

evening visit provides you with the opportunity to observe these fascinating animals when they are most active. The facility is located in Rosamond (about 1½ hours from Los Angeles); participants provide their own transportation. $25 members, $30 nonmembers.

Serval. Photograph courtesy of Exotic Feline Breeding Compound. A tour of the compound is offered on September 23.

■ WALKING ON THE WILD SIDE

Basic Tracking and Wilderness Awareness

Saturday, September 30, 8:30 a.m. to 3:30 p.m.

Introduce yourself to the techniques and language of animal tracking with wilderness experts **Jim Lowery** and **Mary Brooks** of Earth Skills. The class includes plenty of "dirt time" studying tracks to identify animal type, gender, age, motion, and even personality. Participants bring a picnic lunch and meet at the site; everyone receives a 1-year subscription to *Dirt Times*. $50 members, $60 nonmembers.

■ AUTUMN IN YOSEMITE

A Natural History Photography Tour

Friday through Sunday, November 3 to 5.

Accomplished photographer and naturalist **Dave Wyman** will lead us on a 3-day photographic sojourn in beautiful southern Yosemite Valley. Autumn days provide an unique opportunity to capture native wildlife as well as such famous subjects as Half Dome and El Capitan. Photographers of all levels—novice as well as advanced—are welcome. Accommodations are in a private home in the exclusive area of Wawona, near the south entrance to Yosemite. Dinner on Saturday night and a farewell brunch on Sunday morning are included. Participants provide their own transportation. $295 members, $315 nonmembers.

FAMILY & CHILDREN'S PROGRAMS

■ EXPLORING THE NEWPORT BACK BAY

Saturday, October 14, 10 a.m. to noon, children ages 5 and up with adult.

Join in a geologic expedition to Newport Back Bay, one of the few remaining wetlands in southern California. Investigate an earthquake fault and discover scallops, clams, and snail shells. Explore the white cliffs of diatomaceous earth for fossils of seaweed and fish. Naturalist **Sandy Draper** will lead our excursion. $35 child and adult pair, members; $45 child and adult pair, nonmembers; 50% fee per additional person.

The Craft and Folk Art Museum's FESTIVAL OF THE MASKS

Saturday and Sunday, October 14 and 15, 10 a.m. to 5 p.m., Hancock Park, adjacent to the Page Museum

Admission to this annual festival is free, as is participation in the following special events sponsored by the George C. Page Museum of La Brea Discoveries and the Petersen Automotive Museum.

■ **Drive Your Face Crazy!**
Children of all ages are welcome to visit the Petersen Automotive Museum booth where artists and volunteers will help festival visitors turn their faces into everything from Pintos to Porsches.

■ **Bring Out The Beast In You!**
Visit the Page Museum booth where children can design and create masks of extinct Ice Age animals!

FAMILY FUNDAYS!

These hands-on family programs are **free** with museum admission for children ages 4 and older. They are held in the Discovery Centers of the Exposition Park and Burbank museums. Participation in some programs is limited, so please arrive early to reserve your space.

SKETCHING THE WEST

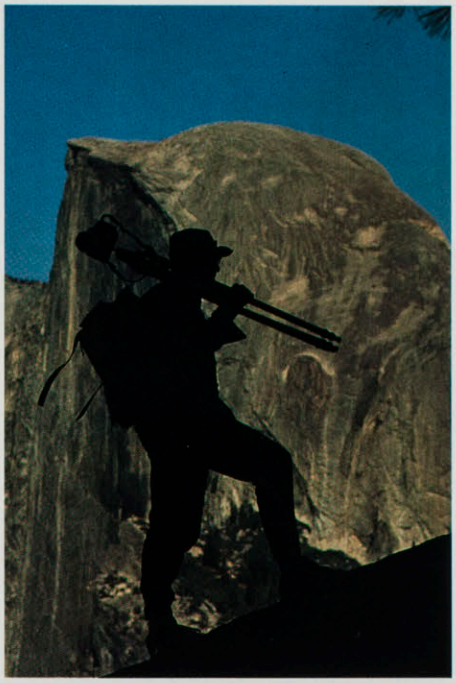
■ **Saturday, September 23**, 1:30 p.m., Museum of Natural History, Exposition Park
■ **Sunday, September 24**, 1:30 p.m., Burbank Museum

Join artist/illustrator **Brent Hudspeth** and learn about the importance of drawing as a base for starting other projects. We'll discover the techniques used by famous cowboy artists and create our own sketchbooks to take home. Space is limited.

ANIMAL FOLK TALES

■ **Saturday, October 21**, 1:30 p.m., Museum of Natural History, Exposition Park
■ **Saturday, October 28**, 1:30 p.m., Burbank Museum

Who's in Rabbit's house? Find out while listening to traditional African folk tales with story teller **Sybil Desta**. Make your own animal mask and become part of these legends. Space is limited.



Photographer and Half Dome. Photograph by Dave Wyman, who will lead members on a photography tour through Yosemite in November.

ANNOUNCEMENTS

Attention Parents and Teachers!

■ MEMBERS' LOAN SERVICE

As a new school year begins, remember to take advantage of the Members' Loan Service. Enliven your child's classroom, or your own science discussions, with taxidermied mammals, birds, reptiles, and amphibians; marine life specimens; articulated skeletons; mineral and rock sets; insect mounts; and fossils, including specimens from the La Brea pits. You can also augment the social studies curriculum with artifacts and models from Native American cultures and various phases of American history including New World exploration, colonial life, westward movement, gold rush, and rancho and mission life. In addition, exciting examples of folk crafts from various cultures throughout the world are available.

The Members' Loan Service, located at the Museum of Natural History in Exposition Park, is *open Thursdays, 2 to 4:30 p.m., and Saturdays, 10 a.m. to 2 p.m.* For a $5 fee, three items may be borrowed for a 2-week period. For additional information, please call 213/744-3345.

■ VOLUNTEER OPPORTUNITIES ABOUND

The five museums that make up the Natural History Museum of Los Angeles County offer a wide variety of volunteer opportunities, no matter what your interests or where you live in Los Angeles County. Prospective volunteers can be trained to be docents, curatorial helpers, or Service Council members or to work in outreach programs. If you are fascinated by the world of history or the natural sciences, the Natural History Museum family welcomes you. Please call the following numbers for further information.

- William S. Hart Museum, Newhall: call Nancy McDonald at 805/254-4584.
- Museum of Natural History, Burbank: call Zandra Stanley at 818/557-3557.
- George C. Page Museum of La Brea Discoveries, Miracle Mile area: call Denny Diveley at 213/857-6305. To volunteer in the Page Museum laboratory, call Shelley Cox, 213/857-6318.
- Petersen Automotive Museum, Miracle Mile area: call Linda Murray at 213/964-6347.
- Museum of Natural History, Exposition Park: call Isabel Rosenbaum at 213/744-3341.

PUBLIC PROGRAMS RESERVATION FORM

■ **By telephone:** Use your MasterCard or VISA. Call the Education Division at 213/744-3534, weekdays, 8 a.m. to 4 p.m. Credit cards are accepted only with a minimum charge of $20.

■ **By mail:** Complete the form below, fill in the charge information or enclose a check payable to Museum Foundation, and return your order form and payment with a self-addressed, stamped envelope. The form may be duplicated. Mail to: ***Education Division, Natural History Museum, 900 Exposition Boulevard, Los Angeles, CA 90007***

■ **Important: Reservation, Waiting List and Refund Policies.** Preregistration is required for all classes, workshops, and field trips and is recommended for all other Education Division programs. Tickets to auditorium events may be purchased at the door; seating is not reserved. Reservations are not necessary for Family Fundays.

Applicants for filled programs will be placed on a waiting list and contacted if vacancies or rescheduling occur. If you have paid for a filled program, your payment will be refunded in 4-6 weeks.

Cancellations must be made one week prior to the first day of the event for the registrant to be eligible for a refund. Only if we are able to fill your space will the fee be refunded.

Dates and times of programs are subject to change, and class sizes are limited. Please call 213/744-3534 weekdays between 8 a.m. and 4 p.m. to verify program dates, times, and availability.

Mr.
Mrs.
Miss
Ms.
NAME (Please Print Clearly)

( ) HOME

( ) BUSINESS

ADDRESS CITY STATE ZIP CODE

Mail to:
Education Division
Natural History Museum
900 Exposition Blvd.
Los Angeles, CA 90007

❑ My check is enclosed

Charge my credit card:
❑ MasterCard
❑ VISA

Program	Number of participants	Price	Total Price

Total Remittance _____

Credit Card # _____ Expiration Date _____

Signature _____

Please list children's names, ages, and programs in which they are enrolling:

_____

_____

_____

_____

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As of June 30, 1995

MUSEUM ON THE MOVE CONTINUED

continued from page 7

with the law firm of Christensen, White, Miller, Fink & Jacobs, the Business Associates program closed the 1994-1995 fiscal year having met and exceeded its ambitious goal of raising $220,000 for museum programs.

MUSEUM SUPPORT GROUPS

FOLLOWING THE FELLOWS

Thanks to the Fellows Committee, there has never been a more exciting time to "follow the Fellows." The 1995-1996 calendar for this special support group is a wonderful offering of exhibit openings, private tours, informal lectures, and unique travel opportunities. Events in September and October include a lecture and high tea at a famous Queen Anne Victorian home in South Pasadena; an informal gathering with Virginia Morell, the author of the first biography on the Leakey family; invitations to the gala opening of Masters of the Ocean Realm, our traveling exhibition on whales, dolphins, and porpoises; and an afternoon with Dr. James L. Powell, the museum's president and director, who will discuss meteor impact and the death of the dinosaurs.

The Fellows provide vital support for the museum's award-winning educational programs and exhibitions. In addition to special Fellows activities, benefits include recognition on a plaque in the Exposition Park museum, preferred parking for Coliseum and Sports Arena events, and all the regular benefits of Natural History Museum membership. Annual dues begin at $1,000, with opportunities at higher levels. For more information, please call the Development Office at 213/744-3307.

FIVE STAR FAMILIES TO TOUR WHALE EXHIBIT AND SEAMOBILE

Five Star Families, a special group for parents and children interested in the museum, will celebrate its first anniversary at its annual fall party on Sunday, November 5. Families who are new to the group as well as renewing members will enjoy "a whale of a day" touring the museum's traveling exhibition on whales, Masters of the Ocean Realm, and its new mobile museum, the Seamobile, which serves children in the Los Angeles Unified School District.

Members of Five Star Families, whose dues are $125 annually, receive outstanding benefits, including admission to the annual fall party, invitations to special events, museum membership benefits at the Family level, birthday party privileges, and priority registration and discounts for museum classes. If you are interested in lending your support to the museum by joining this exciting group, please call the Development Office at 213/744-3307.

In June, the Fellows met with Jared Diamond *(above left)*, professor of physiology at the University of California, Los Angeles, and recipient of numerous awards for his contributions to science and his teaching and writing. With Dr. Diamond is Harriet Bonn. *Left:* other Fellows attending were Charlene and Jim Royer, shown here with Joan Wrede *(far right)*, president of the Natural History Museum Alliance. Photographs by Bob Swartz.

MEMBERSHIP NEWS

BIRTHDAY PARTIES AT THE MUSEUM

A Dinosaur Discovery Birthday Party at the Natural History Museum is an exciting new way to celebrate a child's birthday. Your child's special day includes two hours of museum activities led by our expert Education Division staff members; a period of exploration in our popular Discovery Center, with time to make a craft item to take home; a museum t-shirt for the birthday child and party favors for all guests; and pizza, drinks, ice cream, and cake.

Birthday party privileges are reserved for members at the Contributing ($100) level and above; your party may be held on Saturdays or Sundays from 10 a.m. to 12 noon. Please call Lisa Lee Cole, Birthday Party Coordinator, at 213/744-6027 for information and reservations.

MEMBERS' OPEN HOUSE

More than 2,500 people enjoyed the 24th Annual Members' Open House on April 28. All five floors of the Exposition Park museum were open, and visitors were able to talk to staff members and view special displays in offices, laboratories, and collection storage areas that are normally closed to the public. This year, members toured the molecular biology laboratory and the research and collections areas for polychaetes (marine worms), vertebrate paleontology, reptiles and amphibians, fishes, contemporary anthropology, insects, crustaceans, mineralogy, birds and mammals, and echinoderms (sea stars and sea urchins) as well as the photography laboratory and the exhibit design and development headquarters for habitats and taxidermy. Two raffles were held during the evening: Bob Emerson won a piece of Shona sculpture, and Marlo Paculdo won a trip for two to Costa Rica.

Services and products were donated to the event by Anheuser-Busch Companies; Garden of Eatin'; Mothers Cake and Cookie Company; Sparklett's Drinking Water, M.W.P.C.; and Sunkist Growers, Inc.

Visitors to the 1995 Members' Open House enjoyed performances by Jishin Daiko Taiko Drummers *(shown here)* and the Cahuilla Traditional Bird Singers. Photograph by Dick Meier.

The Costa Rica travel program was donated by LifeLong Learning, Inc.

NEW MEMBERSHIP OFFICE STAFF

Seana McAniff is new Membership Sales Coordinator for the museum. Seana, who has experience as a museum educator and volunteer coordinator and has a strong background in sales, will be responsible for recruiting new members off site as well as in all of the Natural History Museum's locations.

IMPORTANT FOOTBALL SEASON INFORMATION

USC football games at the Coliseum bring crowds of visitors to Exposition Park. On days when there is a game, fees for parking in the Museum of Natural History parking lots range from $5 to $10, and the lots fill quickly. Please plan ahead when visiting the museum on weekends.

The dates of games this fall are September 9, 16, and 30; October 14; and November 4 and 18. For information on the Coliseum, please call 213/748-6131.

Membership in the Natural History Museum of Los Angeles County provides free admission to all of its FIVE museums, including the Museums of Natural History in Exposition Park and at the Media City Center in Burbank, the Page Museum of La Brea Discoveries, the William S. Hart Museum in Newhall, and the Petersen Automotive Museum. In addition, you will receive year-round discounts in all of the Museum Gift Shops; a year's subscription to TERRA; exclusive travel opportunities; reduced fees for classes and lectures for children and adults; and invitations to members-only events.

JOIN FIVE MUSEUMS IN ONE!

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(please print)
Address _____
City _____ State _____ Zip _____
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❑ Check enclosed (Make payable to Natural History Foundation)
Charge my ❑ American Express ❑ MasterCard ❑ VISA ❑ Discover
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Please send me information about:
❑ Bequests ❑ Tax-advantaged life income gifts
Please return this form to the Membership Office, Natural History Museum, 900 Exposition Boulevard, Los Angeles, CA 90007.

The Natural History Museum of Los Angeles County—which includes five institutions—acquires, conserves, and displays objects relating to natural and human history. The museum is a center for academic inquiry as well as for exhibition, education, publication, and community outreach.

The **Museum of Natural History,** Exposition Park, is located at 900 Exposition Boulevard, Los Angeles 90007. The **George C. Page Museum of La Brea Discoveries** is located at 5801 Wilshire Boulevard, Hancock Park, Los Angeles 90036. The **Burbank Museum** is located at 555 North Third Street, Burbank 91502, adjacent to the Media City Center mall. The **Petersen Automotive Museum** is located at 6060 Wilshire Boulevard, at Fairfax Avenue, Los Angeles 90036.

For recorded information on museum hours, admission fees for the general public, and days when no admission is charged, please call:

■ Exposition Park Museum	213/744-DINO
■ Page Museum	213/936-2230
■ Burbank Museum	818/557-3562
■ Petersen Museum	213/930-CARS

Admission to these museums is always free to members. For information on membership, please call 213/744-3426.

The **William S. Hart Museum** is located at 24151 San Fernando Road, Hart Park, Newhall 91321. Admission is free. For information on museum hours, please call:

■ Hart Museum	805/254-4584

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Natural History Museum of Los Angeles County
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Natural History Museums

Exposition Park
(213) 744-3434
Open 11am - 5pm

Burbank Media City Center
(818) 557-3551
Open 10am - 5pm

George C. Page Museum of La Brea Discoveries
(213) 857-6300
Open 10am - 5pm

Petersen Automotive Museum
(213) 964-6328
Open 10am - 6pm